



Fuel Burning Permit Application
Bureau of Air Quality
Part IIA

Bureau Use

Permit No.:
ID No.:
Date:
Reviewed By:

1. Company Name: _____
Type of Fuel Burning Operation: _____
Unit Designation: _____

2. Make: _____ Model: _____ Manufacturer's Date: _____
Capacity: Rated Input _____ x 10⁶ BTU/hr. Rated Output _____ x 10⁶ BTU/hr.
_____ x 10³ lbs. of steam/hr. @ _____ °F and _____ PSIG

3. Fuel Data (indicate all units):

Fuel Type and Grade	BTU Content	% Sulfur by weight	% Ash by weight	Consumption @ rated capacity
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

4. Burner Type (solid fuels only): ☐ Pulverized ☐ Traveling Grate
☐ Underfeed Stoker ☐ Other (specify) _____
If fly ash reinjection is to be used, give % reinjection: _____

5. Air Pollution Control Device Description: _____

6. Stack Data:
Height Above Ground _____ ft. **Gas Velocity** _____ ft./sec.
Inside Diameter _____ ft. Temperature _____ °F
Est. Moisture _____ % Location (UTM or Lat./Long) _____

7. Emission Rate at rated capacity (lb./hr.):

Pollutant	Before Control Device	After Control Device	Method of Estimating Emissions
Particulate Matter	_____	_____	_____
SO ₂	_____	_____	_____
CO	_____	_____	_____
NO _x	_____	_____	_____
VOC?s	_____	_____	_____
Other (specify):	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

8. Are any materials subject to provisions of the S.C. Hazardous Waste Management Act or Regulations to be burned in this unit? (specify): _____

9. Normal Operating Schedule: _____ hours/day _____ days/week _____ weeks/year
Seasonal Variation: Dec. - Feb. _____ % Mar. - May _____ % June - Aug. _____ % Sept. - Nov. _____ %

10. How will waste material from process and control equipment be disposed of?

PART IIA PERMIT APPLICATION INSTRUCTIONS FOR COMPLETING

PURPOSE:

To obtain the information needed to process applications for air permits and to maintain these permits. The information requested is used to determine whether a source must meet State and/or Federal Regulations and if the source is capable of achieving the applicable standards.

EXPLANATION AND DEFINITION:

Any person who plans to construct, alter, or operate a source that emits air contaminants, including the installation of any device for the control of air contaminants shall first obtain a permit from the Department. Use Part IIA for a fuel burning operation which is defined as "use of furnace, boiler, device or mechanism used principally but not exclusively to burn any fuel for the purpose of indirect heating". Dryers, kilns, tenter frames, etc., are usually not considered fuel burning processes, but are usually considered processed (Part IIB application).

Item By Item Instructions:

Item 1. Company Name for permit.

Type of Fuel Burning Operation indicating whether steam boiler, dowtherm heater, hot gas heater, etc.

Unit Designation indicating plant's designation (e.g., no. 2 steam boiler, etc.).

Item 2. Indicate manufacturer specifications.

Item 3. Fuel data indicating type and grade of fuel (e.g., no. 4 fuel oil, bituminous coal, etc.). For multiple fuels indicate whether primary (P), secondary (S), or in combination (C). For Consumption indicate in lbs, gallons or ft³ per hour.

Item 4. Indicate burner type. The % reinjection means percent of fly ash that is collected and then reinjected as fuel.

Item 5. Description of control device equipment.

Item 6. Stack Data specifications.

Item 7. Emission rate data at rated capacity (lb/hr). For Method of Estimating Emissions indicate whether stack test, AP-42, material balance, engineering calculations, etc.

Item 8. Indicate if materials are regulated under the South Carolina Hazardous Waste Management Act or if any materials are suspected to be harmful to human health/welfare or plant/animal life.

Item 9. Indicate operating schedule including normal operation and seasonal variation.

Item 10. Indicate procedures that will be taken to dispose of waste material.

OFFICE MECHANICS AND FILING:

In accordance with retention schedule HEC-AQC-3 break file at the end of each fiscal year, retain within the Agency for five additional years and then destroy.